



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx LCI 11.0011X** issue No.:0  
 Status: **Current**  
 Date of Issue: **2011-05-09** Page 1 of 3

Certificate history:  
 Issue No. 1 (2012-11-20)  
 Issue No. 0 (2011-5-9)

Applicant: **Barksdale, Inc**  
 3211 Fruitland Avenue  
 Los Angeles  
 CA 90058  
**United States of America**

Electrical Apparatus: **Thermostat type TXR... and TXL...**  
 Optional accessory:

Type of Protection: **d, tD**

Marking: Barksdale, Inc.  
 Address : ...  
 Type : TXR... or TXL...  
 Serial number : ... Year of construction : ...  
 Version without relay :  
 Ex d IIC T6 Ex tD A21 IP66T80°C  
 Version with relay :  
 Ex d IIC T4 Ex tD A21 IP66T130°C  
 IECEx LCI 11.0011X  
 Warning: Do not open when energized  
 Only use copper conductors suitable for 90°C

Approved for issue on behalf of the IECEx  
 Certification Body:

Marc Gillaux

Position:

Ex certification manager

Signature:  
 (for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Laboratoire Central des Industries Electriques (LCIE)**  
 33 Avenue du General Leclerc  
 FR-92260 Fontenay-aux-Roses  
 France



**LCIE**



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Page 2 of 3

Manufacturer: **Barksdale, Inc.**  
3211 Fruitland Avenue  
Los Angeles  
CA 90058  
**United States of America**

Additional Manufacturing location  
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### **STANDARDS:**

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### **TEST & ASSESSMENT REPORTS:**

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:  
[FR/LCI/ExTR11.0010/00](#)

Quality Assessment Report:  
[FR/LCI/QAR08.0004/01](#)



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Page 3 of 3

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Explosion-proof thermostat with an aluminium alloy enclosure, whose internal free volume is approximately 370 cm<sup>3</sup> for the version without relay and approximately 690 cm<sup>3</sup> for the version with relay.

Specific parameters of the mode(s) of protection concerned:

- general characteristics :
  - 6V, 12V, 24V, 125V, or 250V (DC)
  - 125V, 250V, 480V, 600V (AC)
- relay characteristics :
  - coil : 120 VAC, 208 VAC, 240 VAC, 277 VAC.
  - contacts : 30A, 120 VAC or 277 VAC.

**CONDITIONS OF CERTIFICATION: YES as shown below:**

T<sub>a</sub> = -40°C to +60°C

